

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/09/2020 10:49 AM
Cytometer Baseline: 12/04/2020 09:02 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125633	0	4.47	125588	4.49
Blue	F	SSC	125000	123150	-2	3.32	123833	3.24
Blue	E	FITC	14171	13745	-4	4.82	299	22.31
Blue	D	PE	27630	26751	-4	4.48	579	16.72
Blue	B	PerCP-Cy5-5	41869	41546	-1	5.44	1115	22.39
Blue	A	PE-Cy7	30581	30563	-1	8.03	573	45.42
Red	C	APC	47208	46296	-2	2.55	1635	12.28
Red	A	APC-Cy7	33493	32828	-2	2.57	873	12.22
Violet	B	V450	7125	6876	-4	4.14	385	12.79
Violet	A	V500	27926	26687	-5	3.90	620	10.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20411	5.69	654	-2	N/A	N/A	Pass
Blue	F	SSC	55536	3.58	586	0	N/A	N/A	Pass
Blue	E	FITC	53	72.13	548	0	0.0168	195	Pass
Blue	D	PE	120	55.37	556	2	0.1327	272	Pass
Blue	B	PerCP-Cy5-5	201	56.53	669	6	0.0078	110	Pass
Blue	A	PE-Cy7	104	119.43	720	9	0.0093	34	Pass
Red	C	APC	390	25.47	594	2	0.0237	136	Pass
Red	A	APC-Cy7	191	28.73	571	3	0.0052	703	Pass
Violet	B	V450	59	58.33	455	-2	0.0573	2240	Pass
Violet	A	V500	93	31.21	468	-3	0.0228	404	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.85	-31.62	0.98
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	15.02	13.60 - 20.40	N/A	N/A	29.23	29.42	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 13588

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments